













SPECIFICATION GUIDE



Features:

-  Universal AC input/Full range
-  ZVA new technology
-  AC input active surge current limiting
-  High efficiency up to 91%
-  Built-in active PFC function, PF >0.95
-  Protections: Short circuit / Overload / Overvoltage /Over temperature
-  Forced air cooling by built-in DC ball bearing fan
-  Output voltage can be trimmed between 70~100% of the rated output voltage
-  High power density 8.3W/inch³
-  Current sharing up to 6000W(3+1)

OUTPUT	CD Voltage	12V
	Rated Current	125A
	Current Range	0 ~ 125A
	Rated Power	1500W
	Ripple & Noise (max)	150mVp-p
	Voltage Adj. Range	10 ~13.5V
	Voltage Tolerance	±1.0%
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Setup, Rise Time	1500ms, 100ms at full load
	Hold Up Time (Typ.)	10ms at full load
INPUT	Voltage Range	90 ~ 264VAC 127 ~ 370VDC
	Frequency Range	47 ~ 63Hz
	Power Factor (Typ.)	0.95/230VAC 0.98/115VAC at full load
	Efficiency (Typ.)	87%
	AC Current (Typ.)	17A/115VAC 8A/230VAC
	Inrush Current (Typ.)	30A/115VAC 60A/230VAC
	Leakage Current	<2.0mA / 240VAC



PROTECTION	Overload	105 ~ 135% rated output power				
		Protection type: Constant current limiting unit will shut down o/p voltage after 5sec. Re-power on to recover				
	Overvoltage	5.75~6.75V	13.8~16.8V	17~20.5V	27.6~32.4V	31~36.5V
		Protection type: Shut down o/p voltage, re-power on to recover				
	Over Temperature	95°C ±5°C (TSW2) detect on heatsink of power transistor				
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down				

ENVIRONMENT	Working Temp.	-20 ~ +70°C (Refer to "Dearating Curve")				
	Working Humidity	20 ~ 90% RH non-condensing				
	Storage Temp. Humidity	-40 ~ +85°C, 10 ~ 95% RH				
	Temp. Coefficient	±0.05%/°C (0 ~ 50°C)				
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X,Y, Z axes				

SAFETY & EMC	Safety Standards	UL60950-1, TUV EN60950-1 Approved				
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC I/P-FG:0.5KVAC				
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC/25°C/70% RH				
	EMC Emission	Compliance to EN55022 (CISPR22), EN61000-3-2,3				
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A				

OTHER	MTBF	62.6K hrs min. MIL-HDBK-217F (25°C)
	Dimensions	L335mm x W160mm x H85mm
	Cooling	Forced air cooling by built-in DC fan with speed control function.

NOTES	1	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
	2	Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
	3	Tolerance: includes set up tolerance, line regulation and load regulation.



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